

Generalized SV-modules

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Abstract

Given an arbitrary quasiprojective right R -module P , we prove that every module in the category $\sigma(P)$ is weakly regular if and only if every module in $\sigma(M/I(M))$ is lifting, where M is a generating object in $\sigma(P)$. In particular, we describe the rings over which every right module is weakly regular. © 2009 Pleiades Publishing, Ltd.

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Keywords

Quasiprojective module, Semiartinian ring, SV-ring, Weakly regular module